

Rubber and Plastics Footwear Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
316211, Rubber and plastics footwear manufacturing	2002..	56	62	3 102	78 378	2 565	4 628	59 074	233 403	182 791	425 892	11 494
	2001..	N	N	5 573	136 671	4 729	8 822	96 671	410 227	326 021	724 727	18 028
	2000..	N	N	6 425	153 624	5 009	10 106	94 522	497 685	497 329	976 511	13 810
	1999..	N	N	6 997	156 726	5 593	11 098	101 996	565 877	513 710	1 023 225	15 992
	1998..	N	N	8 198	192 220	6 688	13 447	125 022	584 389	542 972	1 130 220	8 501
	1997..	50	59	8 292	168 185	6 890	14 467	119 135	519 953	498 663	1 009 838	19 850

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States: 2002**

[Not applicable for this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
316211, Rubber and plastics footwear manufacturing	
Companies ¹	number.. 56
All establishments ²	number.. 62
Establishments with 1 to 19 employees	number.. 41
Establishments with 20 to 99 employees	number.. 10
Establishments with 100 employees or more	number.. 11
All employees ³	number.. 3 102
Total compensation	\$1,000.. 96 855
Annual payroll	\$1,000.. 78 378
Total fringe benefits	\$1,000.. 18 477
Production workers, average for year	number.. 2 565
Production workers on March 12	number.. 2 763
Production workers on May 12	number.. 2 602
Production workers on August 12	number.. 2 508
Production workers on November 12	number.. 2 378
Production worker hours	1,000.. 4 628
Production worker wages	\$1,000.. 59 074
Total cost of materials	\$1,000.. 182 791
Materials, parts, containers, packaging, etc., used	\$1,000.. 161 364
Resales	\$1,000.. 17 990
Purchased fuels	\$1,000.. 637
Purchased electricity	\$1,000.. 2 754
Contract work	\$1,000.. 46
Quantity of electricity purchased for heat and power	1,000 kWh.. 35 560
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 425 892
Primary products value of shipments	\$1,000.. 385 842
Secondary products value of shipments	\$1,000.. 18 061
Total miscellaneous receipts	\$1,000.. 21 989
Value of resales	\$1,000.. 21 989
Contract receipts	\$1,000.. -
Other miscellaneous receipts	\$1,000.. -
Primary products specialization ratio	percent.. 96
Value of primary products shipments made in all industries	\$1,000.. 409 350
Value of primary products shipments made in this industry	\$1,000.. 385 842
Value of primary products shipments made in other industries	\$1,000.. 23 508
Coverage ratio	percent.. 94
Value added	\$1,000.. 233 403
Total inventories, beginning of year	\$1,000.. 61 143
Finished goods inventories	\$1,000.. 39 217
Work-in-process inventories	\$1,000.. 5 732
Materials and supplies inventories	\$1,000.. 16 201
Total inventories, end of year	\$1,000.. 44 775
Finished goods inventories	\$1,000.. 30 187
Work-in-process inventories	\$1,000.. 5 064
Materials and supplies inventories	\$1,000.. 9 531
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 126 171
Total capital expenditures (new and used)	\$1,000.. 11 494
Buildings and other structures (new and used)	\$1,000.. 670
Machinery and equipment (new and used)	\$1,000.. 10 824
Automobiles, trucks, etc., for highway use	\$1,000.. 97
Computers and peripheral data processing equipment	\$1,000.. 342
All other expenditures for machinery and equipment	\$1,000.. 10 385
Total retirements	\$1,000.. 12 361
Gross value of depreciable assets at end of year	\$1,000.. 125 304
Depreciation charges during year	\$1,000.. 9 959
Total rental payments	\$1,000.. 2 870
Buildings and other structures	\$1,000.. 2 027
Machinery and equipment	\$1,000.. 843
Total other expenses ⁴	\$1,000.. 14 742
Response coverage ratio ⁵	percent.. 93
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 3 049
Communications services ⁴	\$1,000.. 816
Legal services ⁴	\$1,000.. 249
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 309
Advertising and promotional services ⁴	\$1,000.. 1 688
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 204
Refuse removal (including hazardous waste) services ⁴	\$1,000.. D
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. 977
All other expenses ⁴	\$1,000.. 6 896

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
316211, Rubber and plastics footwear manufacturing											
All establishments	1	62	3 102	78 378	2 565	4 628	59 074	233 403	182 791	425 892	11 494
Establishments with—											
1 to 4 employees	6	21	36	899	27	51	542	2 923	1 845	5 163	71
5 to 9 employees	9	10	64	1 682	51	98	1 131	3 769	2 735	6 499	117
10 to 19 employees	4	10	143	3 779	119	224	2 568	10 448	7 899	17 704	190
20 to 49 employees	—	5	148	2 709	103	166	1 440	7 488	6 290	13 781	161
50 to 99 employees	5	5	315	7 501	285	530	5 660	26 434	22 097	49 172	873
100 to 249 employees	—	8	g	D	D	D	D	D	D	D	D
250 to 499 employees	—	3	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	31	180	4 572	153	291	3 071	10 897	8 178	19 075	379

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
316211	Rubber and plastics footwear manufacturing	62	3 102	78 378	2 565	4 628	59 074	233 403	182 791	425 892	11 494
3162111	Protective footwear	9	727	17 845	563	1 060	11 778	29 714	33 705	72 810	5 040
3162114	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers	18	2 019	51 633	1 707	3 035	41 281	196 210	142 279	337 168	6 141

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
316211	Rubber and plastics footwear manufacturing	2002.. N	X	X	409 350
	1997.. N		X	X	899 620
3162111	Protective footwear	2002.. N	X	X	85 296
	1997.. N		X	X	265 161
31621111	Protective footwear	2002.. N	X	X	85 296
	1997.. N		X	X	N
3162111100	Protective footwear ¹	2002.. 24	6.6	^q 6.7	85 296
	1997.. N		N	N	N
3162114	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers	2002.. N	X	X	312 334
	1997.. N		X	X	614 260
31621141	Shoes, athletic, with soles vulcanized, molded, or cemented to fabric uppers (including tennis, running, basketball, etc.), excluding sandals and slippers	2002.. N	X	X	300 770
	1997.. N		X	X	536 161
3162114110	Shoes, athletic, with soles vulcanized, molded, or cemented to fabric uppers (including tennis, running, basketball, etc.) , excluding sandals and slippers ¹	2002.. 9	9.5	9.6	300 770
	1997.. 20		X	28.8	536 161
31621142	Shoes, nonathletic, with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers	2002.. N	X	X	11 564
	1997.. N		X	X	78 099
3162114210	Shoes, nonathletic, with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers ¹	2002.. 5	2.2	2.2	11 564
	1997.. 7		X	13.2	78 099
3162114Y	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers, nsk	2002.. N	X	X	—
	1997.. N		X	X	—
3162114YWV	Shoes with soles vulcanized, molded, or cemented to fabric uppers, excluding sandals and slippers, nsk	2002.. N	X	X	—
	1997.. N		X	X	—
316211W	Rubber and plastics footwear manufacturing, nsk, total	2002.. N	X	X	11 720
	1997.. N		X	X	20 199
316211WY	Rubber and plastics footwear manufacturing, nsk, total	2002.. N	X	X	11 720
	1997.. N		X	X	20 199
316211WYWW	Rubber and plastics footwear manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	3 579
	1997.. N		X	X	11 764
316211WYWY	Rubber and plastics footwear manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	8 141
	1997.. N		X	X	8 435

¹For additional detail, see Current Industrial Report MA316A, Footwear.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
316211	Rubber and plastics footwear manufacturing		
00900001	Total materials .....2002..	X	161 364
	.....1997..	X	384 583
11321001	Natural rubber .....2002..	X	D
	.....1997..	X	12 109
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	10 172
	.....1997..	X	49 660
32521201	Synthetic rubber (including vulcanizable elastomers) .....2002..	X	2 463
	.....1997..	X	14 008
32510055	Rubber processing chemicals (accelerators, antioxidants, blowing agents, inhibitors, peptizers, etc.) .....2002..	X	921
	.....1997..	X	8 039
32500053	All other chemicals and allied products (excluding plastics resins, synthetic rubber, rubber processing chemicals, plasticizers, and glues and adhesives) .....2002..	X	D
	.....1997..	X	5 943
31320003	Textile fabrics .....2002..	X	D
	.....1997..	X	53 616
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	4 935
	.....1997..	X	13 677
32600055	Rubber and plastics shoe heels and soles .....2002..	X	D
	.....1997..	X	55 298
31699905	Leather and other material cut stock and findings (excluding outsoles and innersoles) .....2002..	X	D
	.....1997..	X	15 047
32600057	Other plastics and rubber (natural and synthetic) parts .....2002..	X	D
	.....1997..	X	15 725
31611009	Finished upper leather .....mil sq ft..2002..	D	D
	.....1997..	S	26 686
31332001	Fabrics (plastics coated, impregnated, and laminated) .....2002..	X	D
	.....1997..	X	7 399
00190095	Sewn uppers, purchased (not manufactured with materials produced in the same establishment) .....2002..	X	37 593
	.....1997..	X	41 484
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	35 826
	.....1997..	X	50 443
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	3 080
	.....1997..	X	15 449

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.